

# *Syringodium* Meadow Collapse In Northern Biscayne Bay

Historical Seagrass Abundance Data  
and  
Results of March 2017 Site Visit



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# *Syringodium filiforme* Coverage Over Time

Mean Braun-Blanquet

- [0-0.1]
- [0.1-1]
- [1-2]
- [2-3]
- [3-4]
- [4-5]
- [5]

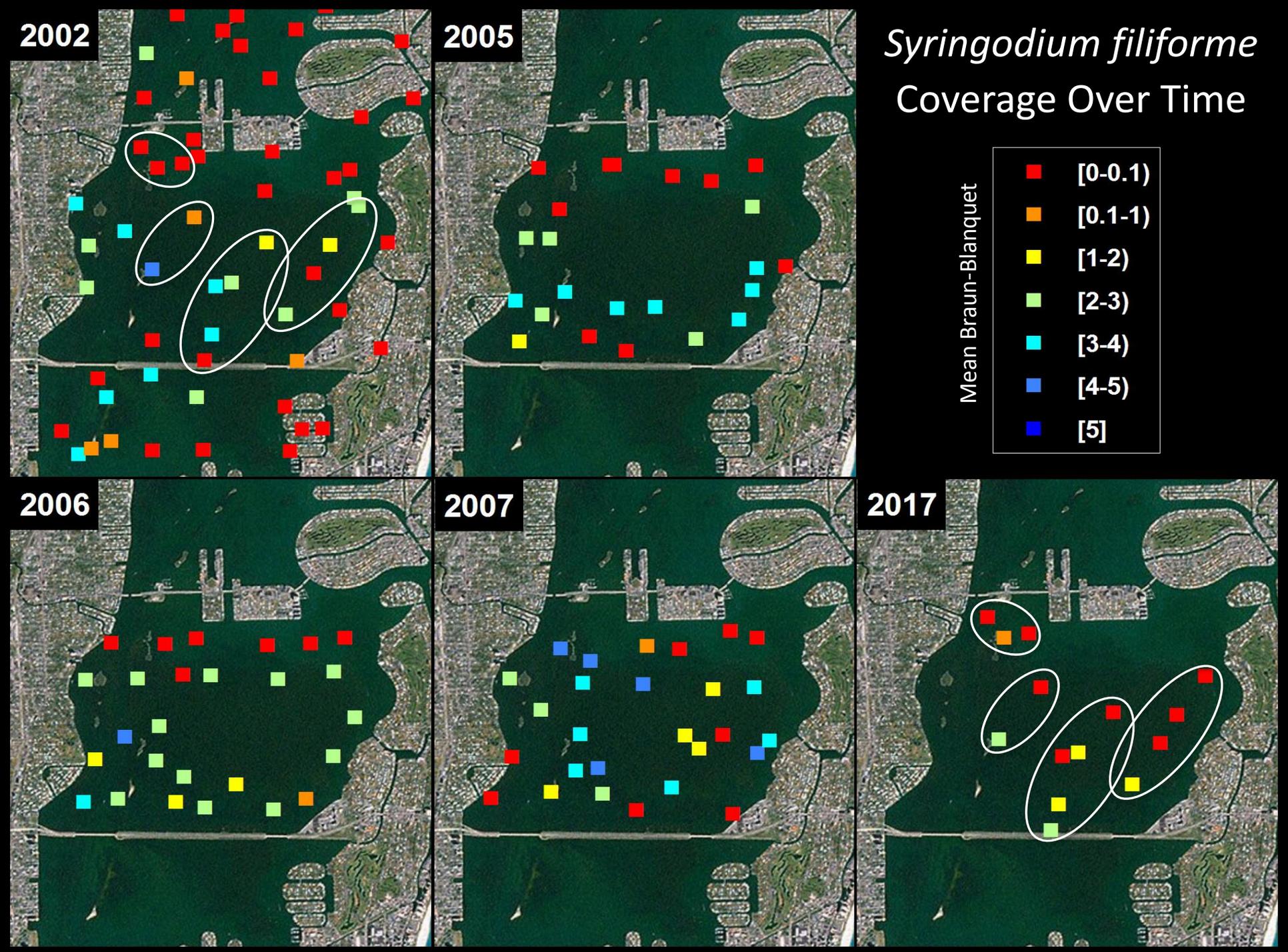
2002

2005

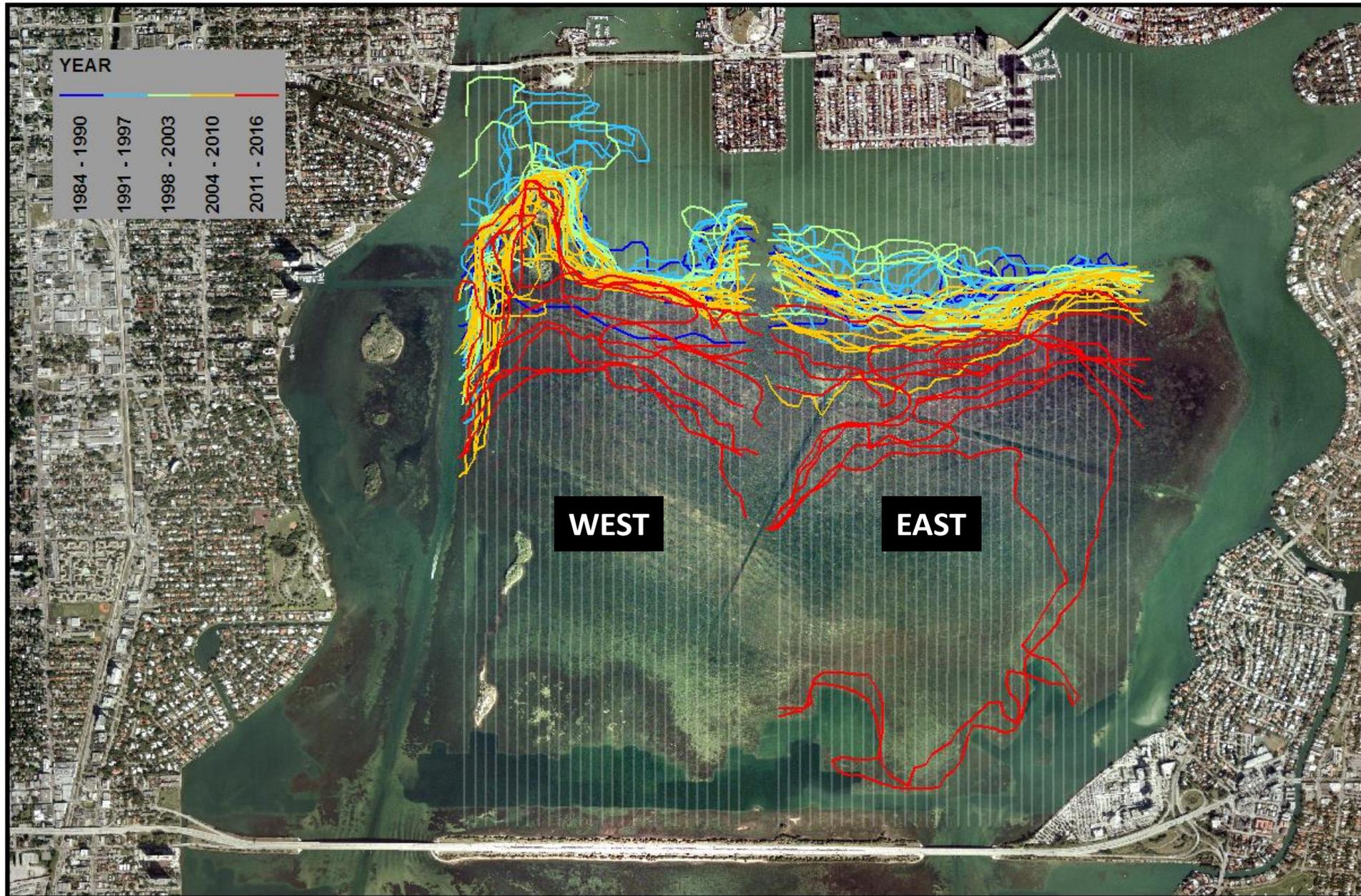
2006

2007

2017

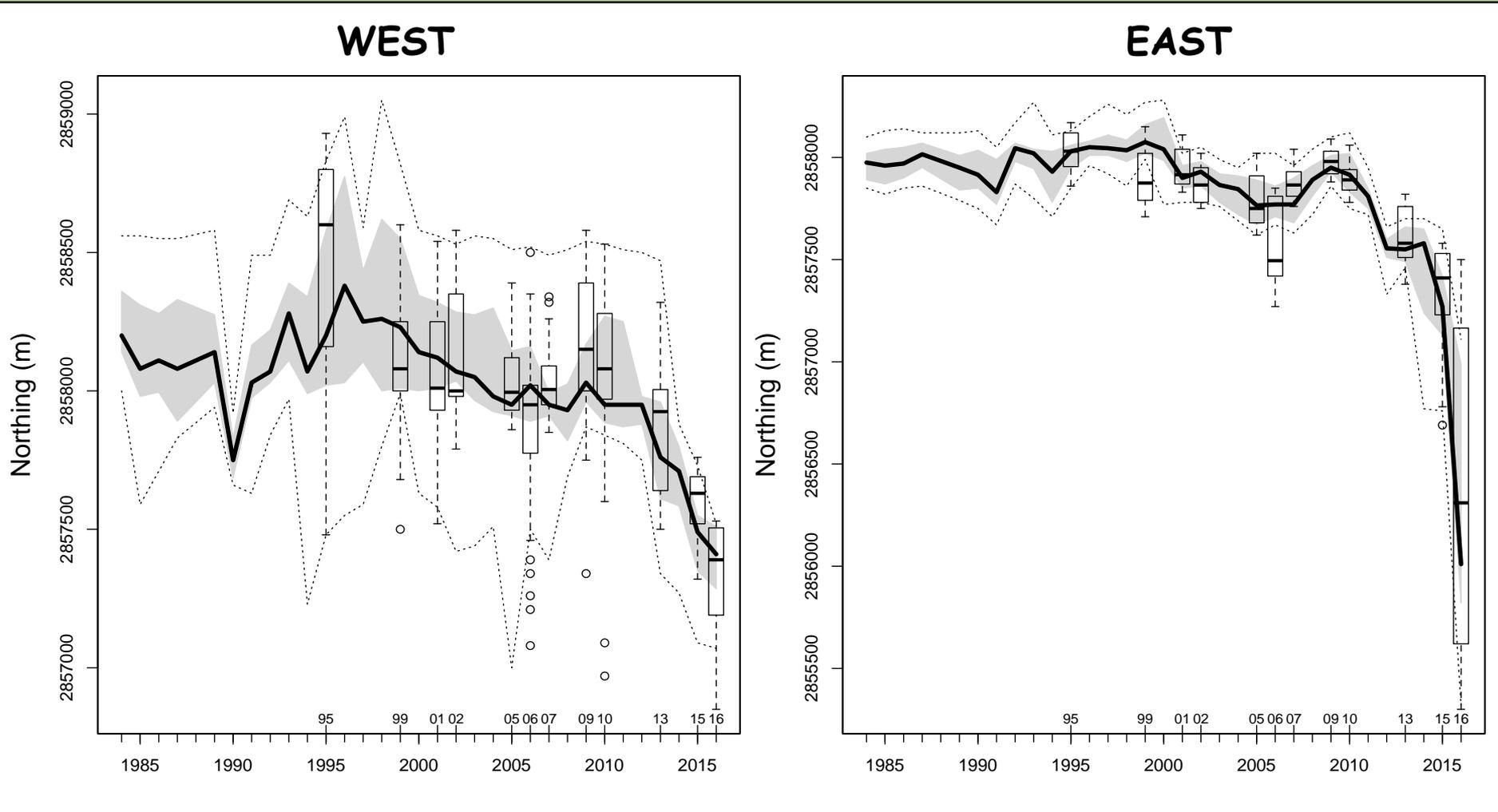


# GIS Analysis



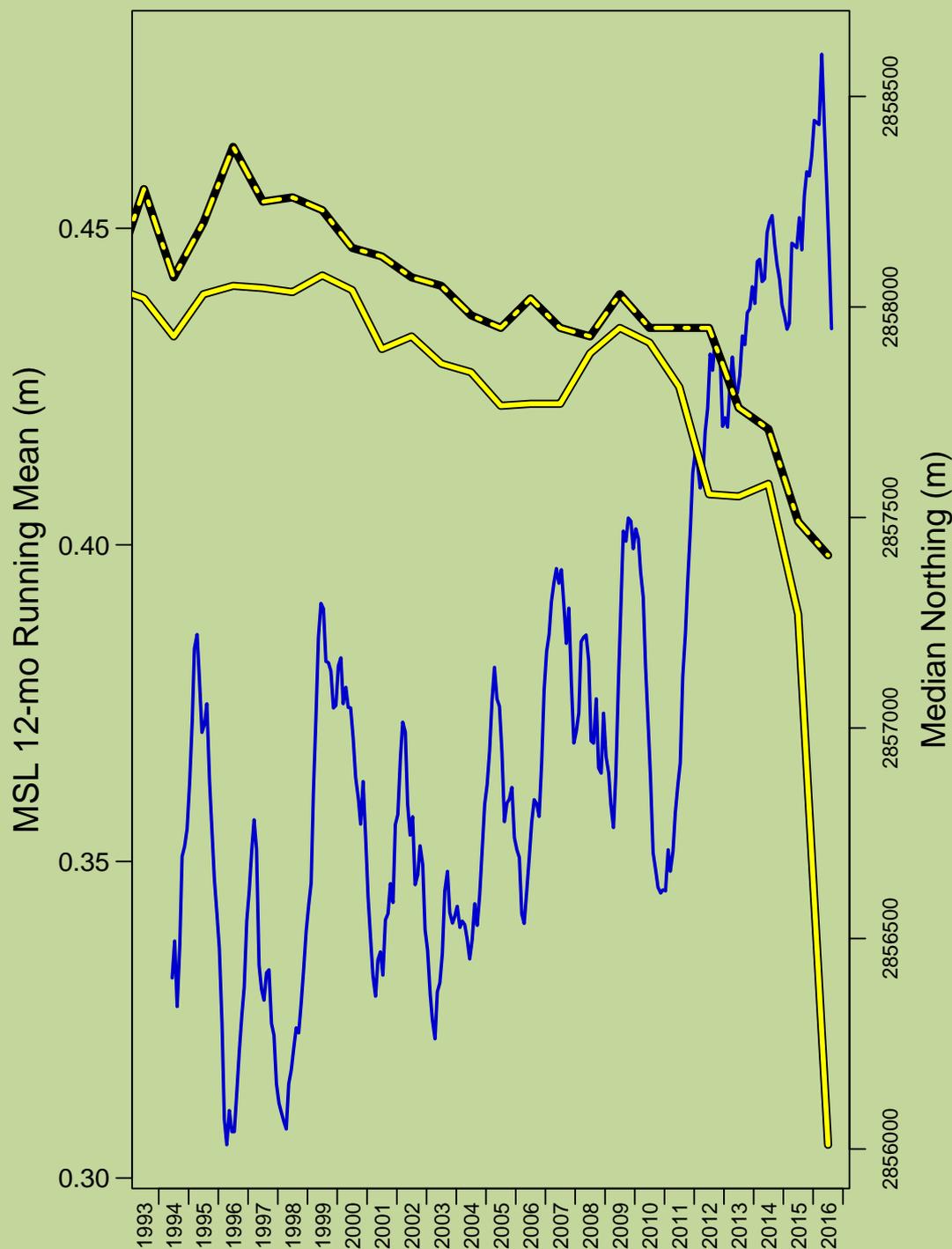
# Results

- Time-series of edge-of-bed point-intercepts using north-to-south transects spaced at 50-m intervals.
- Reasonably good agreement between results from high (boxplot) and low (black line, dotted line and shaded region) resolution imagery.



# Mean Sea Level (MSL)

National Data Buoy Center  
Station VAKF1  
#8723214  
Virginia Key, FL



1. Not certain what to make of this correlation? Effect on water circulation, residence time, flushing of phyllosphere?
2. How does MSL translate to water levels on the shoal?

September 18, 2015  
Dr. Jennifer Peterson, FDEP  
*Syringodium* Donor Site Survey

